

IN THE CLAIMS:

1. (Original) A reproducing apparatus comprising:

a detecting unit operable to detect a resolution of a frame picture in video data stored in a storage medium;

a first display unit operable to cause a display apparatus to display auxiliary data that is stored in the storage medium, in synchronization with the video data, when a ratio is 1:1 between a resolution of the display apparatus and the resolution detected by the detecting unit;

and

a second display unit operable to, when the ratio is not 1:1, cause the display apparatus to display auxiliary data that is provided by a server apparatus in synchronization with the video data.
2. (Original) The reproducing apparatus of Claim 1, wherein

the auxiliary data that is provided by the server apparatus is text data, and

the second display unit renders the text data using a font to cause the display apparatus to display the auxiliary data.
3. (Original) The reproducing apparatus of Claim 2, wherein

when rendering the text data, the second display unit:

calculates horizontal and vertical ratios between the resolution of the display apparatus and a resolution of the auxiliary data that is provided by the server apparatus; and

enlarges or shrinks the font horizontally and vertically in accordance with the calculated horizontal and vertical ratios.

4. (Original) The reproducing apparatus of Claim 3, wherein
if the auxiliary data that is provided by the server apparatus shows a subtitle to be
displayed in a plurality of lines, the second display unit adjusts a space between the lines in
accordance with a predetermined ratio.

5. (Original) The reproducing apparatus of Claim 4, wherein
the predetermined ratio is calculated by dividing a ratio between a vertical
resolution of the display apparatus and a vertical resolution of the video data, by a ratio between
a horizontal resolution of the display apparatus and a horizontal resolution of the video data.

6. (Cancelled)

7. (Previously Presented) A method of reproducing video data and auxiliary data on
a display apparatus, comprising the steps of:

detecting a resolution value of a frame picture in video data stored in a storage
medium;

determining when the detected resolution value is a ratio of 1:1 with the
resolution value of the display apparatus and displaying auxiliary data stored in the storage
medium in synchronization with the video data when the ratio is 1:1; and

determining when the detected resolution value is not a ratio of 1:1 with the
resolution value of the display apparatus and displaying auxiliary data that is provided by a
server apparatus in synchronization with the video data.

8. (Previously Presented) A machine-readable medium that provides instructions, which when executed by a machine, cause the machine to perform operations comprising:

detecting a resolution value of a frame picture in video data stored in a storage medium;

determining when the detected resolution value is a ratio of 1:1 with the resolution value of the display apparatus and displaying auxiliary data stored in the storage medium in synchronization with the video data when the ratio is 1:1; and

determining when the detected resolution value is not a ratio of 1:1 with the resolution value of the display apparatus and displaying auxiliary data that is provided by a server apparatus in synchronization with the video data.

9. (New) A reproduction apparatus for reproducing information stored on a storage medium for display on a display device, comprising:

a reading unit for reading information from a storage medium, said information including content to be reproduced for display on a display device with said content having a stored resolution;

a converting unit for converting said content from said stored resolution to a desired display resolution for display using a ratio of said stored resolution to said desired display resolution; and

an output unit for outputting said converted data for display by said display device at said desired display resolution.

10. (New) The reproduction apparatus of Claim 9, wherein said content to be displayed includes character-based data, wherein said converting unit modifies a font size of the character-based data based on said ratio of said stored resolution to said display device resolution.

11. (New) A method of reproducing information stored on a storage medium for display on a display device, comprising:

reading information from a storage medium, said information including content to be reproduced for display on a display device with said content having a stored resolution;

converting said content from said stored resolution to a desired resolution for display using a ratio of said stored resolution to said desired display resolution; and

outputting said converted data for display by a display device.

12. (New) The method of Claim 11, wherein said data to be displayed includes character-based data, wherein said converting step further includes modifying a font size of the character-based data based on said ratio of said stored resolution to said desired display resolution.

13. (New) The method of Claim 12, wherein said converting step further includes computing both a horizontal conversion ratio and a vertical conversion ratio to be used in performing the conversion, said horizontal conversion ratio being a ratio of the number of horizontal pixels in said display device resolution to the number of horizontal pixels in said stored resolution, said vertical conversion ratio being a ratio of the number of vertical pixels in

said display device resolution to the number of vertical pixels in said stored resolution.

14. (New) A reproduction apparatus for reproducing encoded data so that the encoded data is compatible for display on devices having different resolution capabilities, the encoded data including a plurality of objects, the objects further comprising motion picture data, graphics data and control data, the control data including information on the encoded data resolution of the motion picture data, comprising:

a reading unit for inputting the encoded data;

a first memory unit for storing first resolution data information for a display device operatively connected to the reproduction apparatus and to be enabled to display objects from the reproduction apparatus;

a second memory storing unit for storing second resolution data information on the encoded data read by the reading unit;

a converting unit for converting the encoded data read by the reading unit into a second data format having compatible display resolution for the resolution data information stored in the first memory unit; and

a controller unit for comparing the first resolution data information with the second resolution data information and (10) when the first resolution data information and the second resolution data information indicate a functional compatibility proceeding to decode and display the data on the display device and (2) when the first resolution data information and the second resolution data information indicate a dysfunctional compatibility, activating the converting unit to convert the encoded data read by the reading unit into a data format having a compatible display resolution.